

Performance Test Data for Intergard 475HS

Epoxy MIO Intermediate



Test Type	Test Method	Specification Details	Typical Results
Salt Spray	ISO 7253 - "Resistance to neutral salt spray (fog) @ 35°C"	1 x 200µm dft applied directly over a zinc rich epoxy primer.	No film defects , and no rust creep at the scribe following 4000 hours exposure.
Abrasion	ASTM D4060 - "Abrasion Resistance of Coatings via the Taber Abraser"	1 x 200µm dft applied directly to Sa2.5 blasted steel.	Average of 177mg weight loss per 1000 cycles using CS10 wheels and a 1Kg loading.
Adhesion	ISO 4624 - "Pull-off test for adhesion" using portable adhesion testers	1 x 200µm dft topcoated with 60µm dft of Interthane 990.	Not less than 10MPa (1450psi) when using a PAT Model GM01 hydraulic adhesion tester on 5mm thick steel.
Adhesion	ISO 4624 - "Pull-off test for adhesion" using portable adhesion testers	1 x 200µm dft applied directly over an epoxy primer.	Not less than 12MPa (1740psi) when using a PAT Model GM01 hydraulic adhesion tester on 5mm thick steel.
Gloss	ASTM D523 - "Standard Test Method for Specular Gloss"	1 x 200µm dft applied directly over a glass panel.	3% (60° geometry)
Hardness	ASTM D3363 - "Film hardness by Pencil Test"	1 x 200µm dft applied directly to Sa2.5 blasted steel.	Classification 4H

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Impact	ASTM D2794 - "Resistance to the Effects of Rapid Deformation (Impact)"	1 x 200µm dft applied directly to Sa2.5 blasted steel.	Direct Impact Resistance - 3.2 Joules.

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